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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/620,680	07/15/2003	Leonardus Grassens	LSI.75US01 (03-0977)	9639
24319	7590	09/21/2006	EXAMINER	
LSI LOGIC CORPORATION			INGBERG, TODD D	
1621 BARBER LANE			ART UNIT	PAPER NUMBER
MS: D-106			2193	
MILPITAS, CA 95035				

DATE MAILED: 09/21/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary	Application No.	Applicant(s)
	10/620,680	GRASSENS, LEONARDUS
	Examiner Todd Ingberg	Art Unit 2193

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) Responsive to communication(s) filed on 15 July 2003.
- 2a) This action is FINAL. 2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) Claim(s) 1-16 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) Claim(s) _____ is/are allowed.
- 6) Claim(s) 1-16 is/are rejected.
- 7) Claim(s) _____ is/are objected to.
- 8) Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 7/15/2003 is/are: a) accepted or b) objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) All b) Some * c) None of:
 1. Certified copies of the priority documents have been received.
 2. Certified copies of the priority documents have been received in Application No. _____.
 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)
Paper No(s)/Mail Date _____
- 4) Interview Summary (PTO-413)
Paper No(s)/Mail Date. _____
- 5) Notice of Informal Patent Application
- 6) Other: _____

DETAILED ACTION

Claims 1 – 16 have been examined.

Drawings

1. The formal drawings filed July 15, 2003 have been accepted.

Claim Rejections - 35 USC § 102

2. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

3. Claims 1, 3– 9 and 11 - 16 are rejected under 35 U.S.C. 102(e) as being anticipated by USPN # 6,964,036 Bates et al.

Claim 1

Bates anticipates a computerized method for adding debugging statements to a computer source code having a plurality of lines of code (Bates, Abstract and Figure 7) comprising: creating an annotated source code (Bates, Abstract and figure 5A); setting a verbosity level to a predetermined level (Bates, Figure 4B #424, present OR not present); traversing through said computer source code by reading and analyzing a portion of said source code at a time, said reading and analyzing comprising: reading said portion of said source code (Bates, Figure 5A, reading and processing code), said portion comprising executable statements and comments (as per above); and if said portion comprises an executable statement, writing said executable statement to said annotated source code (As per above), constructing an output statement comprising at least an indicator of the location of said executable statement within said source code (Bates, Figure 7, shows line number), and writing said output statement to said annotated source code (Bates, Figure 5A – Shows the outputs); and causing said annotated source code to be executed in place of said computer source code (Bates, figure 7, running the debugger).

Claim 3

The method of claim 1 wherein said computer source code is used with a compiler.
(Bates, col 6, lines 24-37, compiler)

Claim 4

The method of claim 1 wherein said computer source code is used with an interpreter.
(Bates, col 6, lines 38-47, interpreter)

Claim 5

The method of claim 1 wherein said output statement further comprises at least a portion of said executable statement. As per claim 1.

Claim 6

The method of claim 1 wherein said output statement further comprises at least one variable name and at least one variable value. (Bates, Abstract).

Claim 7

The method of claim 1 wherein said output statement further comprises a function name.
(Bates, Figure 7, ".moreStuff")

Claim 8

The method of claim 1 wherein said traversing further comprises: if said portion comprises a comment, analyzing said comment to determine that said comment contains an embedded verbosity level statement and setting said verbosity level to the verbosity level defined in said embedded verbosity level statement. as per claim 1.

Claim 9

A computer program for adding debugging statements to a computer source code having a plurality of lines of code comprising: a first routine for creating an annotated source code; a second routine capable of setting a verbosity level to a predetermined level; a third routine for traversing through said computer source code by reading and analyzing a portion of said source code at a time, said reading and analyzing comprising: reading said portion of said source code, said portion comprising executable statements and comments; and if said portion comprises an executable statement, writing said executable statement to said annotated source code, constructing an output statement comprising at least an indicator of the location of said executable statement within said source code, and writing said output statement to said annotated source code; and wherein said annotated source code may be executed in place of said computer source code. As per the rejection for claim 1.

Claim 11

The computer program of claim 9 wherein said computer source code is used with a compiler.
As per the rejection for claim 3.

Claim 12

The computer program of claim 9 wherein said computer source code is used with an interpreter.
As per the rejection for claim 4.

Claim 13

The computer program of claim 9 wherein said output statement further comprises at least a portion of said executable statement. As per the rejection for claim 5.

Claim 14

The computer program of claim 9 wherein said output statement further comprises at least one variable name and at least one variable value. As per the rejection for claim 6.

Claim 15

The computer program of claim 9 wherein said output statement further comprises a function name. As per the rejection for claim 7.

Claim 16

The computer program of claim 9 wherein said traversing further comprises: if said portion comprises a comment, analyzing said comment to determine that said comment contains an embedded verbosity level statement and setting said verbosity level to the verbosity level defined in said embedded verbosity level statement. As per the rejection for claim 8.

Claim Rejections - 35 USC § 103

4. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

5. Claims 2 and 10 are rejected under 35 U.S.C. 103(a) as being unpatentable over Bates in view of “How Debuggers Work” by J.B. Rosenberg 1996.

Rejection for claims 2 and 10

Bates teaches displaying the line number in the display (Bates, Figure 7 shows the line number in the display). Although, the file being debugged is often displayed on the screen the portions of Bates displays do not explicitly show the file name. Work teaches the common feature of displaying the filename (Work, page 25, calc.cpp). Therefore, it would have been obvious to one of ordinary skill in the art at the time of invention to display the file being debugged because identifying the file enables programmers to know what file to alter.

Claim 2

The method of claim 1 wherein said indicator of the location of said executable statement comprises: a file name of said source code; and a line number of said portion of said source code.

Claim 10

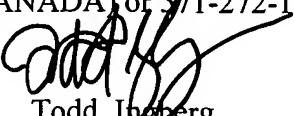
The computer program of claim 9 wherein said indicator of the location of said executable statement comprises: a file name of said source code; and a line number of said portion of said source code. As per the rejection for claim 2.

Correspondence Information

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Todd Ingberg whose telephone number is (571) 272-3723. The examiner can normally be reached on during the work week..

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kakali Chaki can be reached on (571) 272-3719. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


Todd Ingberg
Primary Examiner
Art Unit 2193

TI